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# ***WATER SUPPLY OUTLOOK FOR IDAHO***

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PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**MAR. 1, 1973**



## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia.



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# **WATER SUPPLY OUTLOOK FOR IDAHO**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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*Report prepared by*

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# WATER SUPPLY OUTLOOK for IDAHO



## GENERAL SUMMARY FOR MARCH 1, 1973

Snowfall during February was below normal throughout Idaho, thus magnifying the deficiency experienced during the winter of 1972-73. Generally, snow accumulation as of March 1 ranged from a low of 54% of average on the Spokane watershed to 109% of normal on the Portneuf River drainage. Two exceptions are the Palouse watershed at 13% of average and the Malad River drainage at 148% of normal. The high figure on the Malad should be discounted somewhat in that only one course measured extremely high and is probably not indicative of the whole watershed. The snowpack on major watersheds south of the Snake River continue slightly above normal while the northern tributaries range from below to well below average. Northern Idaho watershed snowpack, from the Clearwater north, vary from well below normal to critically low.

Soil moisture under the snowpack remains below normal while soils at lower elevations are beginning to dry due to below average precipitation during February. Fall and winter valley precipitation, as reported by selected stations, indicate below normal precipitation throughout the state, except for the Snake River Plain and the Owyhee which are close to average.

Reservoir storage remains good to excellent in all major irrigation reservoirs. Contents in Oakley and Salmon Falls Reservoirs remain at record level.

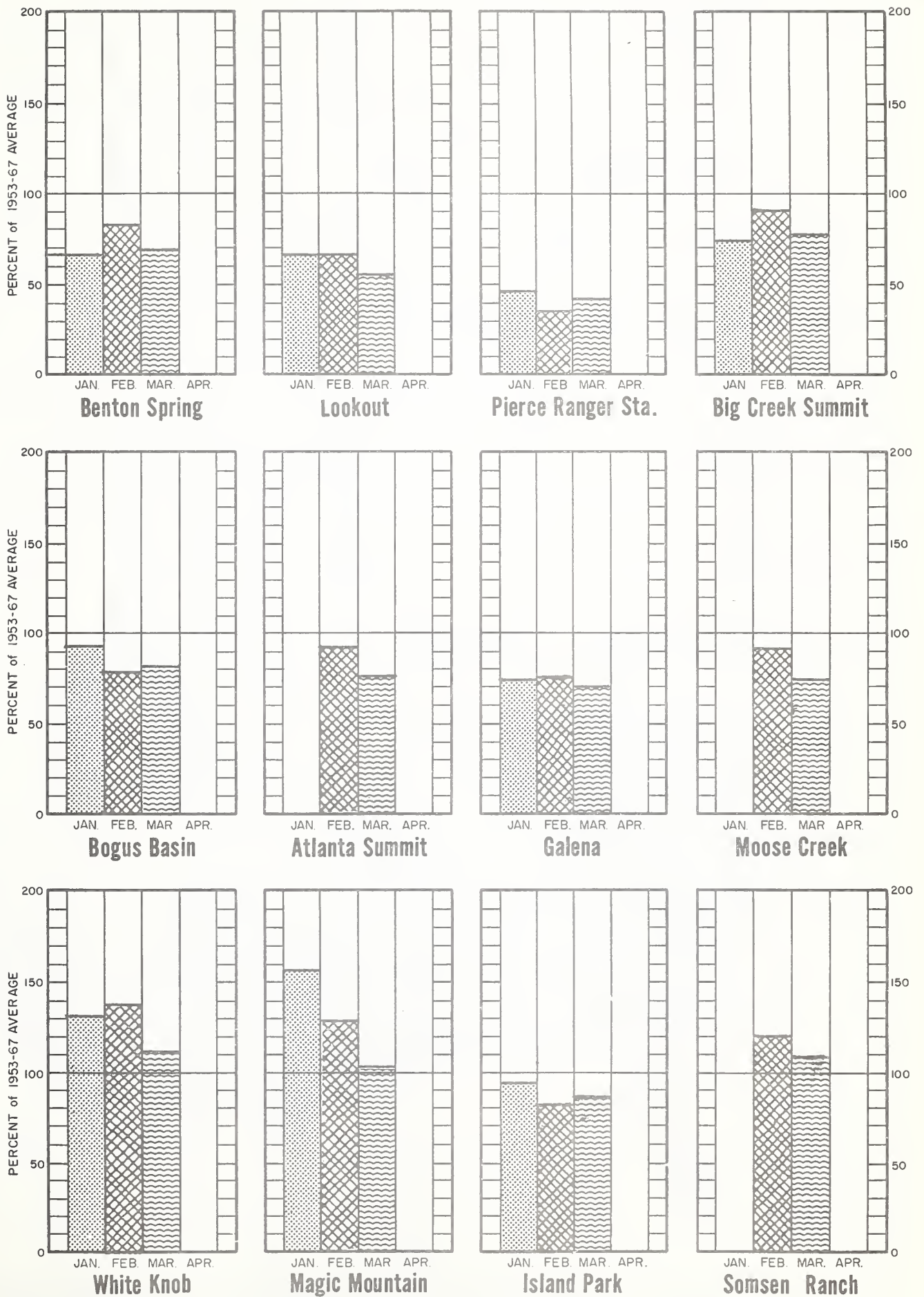
Forecasts of prospective streamflow at Idaho gaging stations for the April-September period range from a low of 56% of average for the Spokane at Post Falls to 100% of normal for the Bruneau River near Hot Springs. One exception is the Bear River at Harer which is forecast at 113% of average.

Water supplies for the coming irrigation season is expected to be good on all streams with adequate storage facilities. Shortages may be expected on watersheds with little or no storage, with critical shortages on smaller, low elevation streams. Climatic conditions during the spring months will have a dramatic effect on water supplies, irrigation needs, and dry farm success throughout the state.



**SNOW WATER DEPTHS ACCUMULATION**  
**For Selected Snow Courses**  
 As Compared To 1953-67 15 Yr. Average

**MARCH 1, 1973**

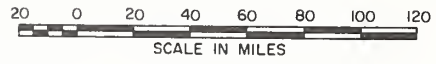


## COMPARISON of SNOW COVER

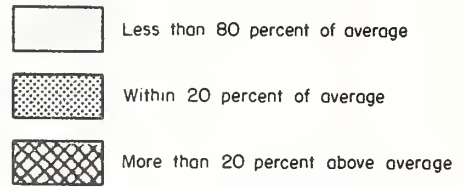
RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	19	47	74
Pend Oreille River	78	43	69
Clark Fork River	49	41	66
Flathead River	29	47	73
Priest River	2-4	61	64
Spokane River	8-10	35	54
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	7	13
Clearwater River	18-21	38	60
Salmon River	20-27	51	73
Lemhi River	4-6	45	61
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	51	74
Big Lost River	6	61	76
Fish Creek	2-3	89	104
Little Wood River	4-5	79	88
Big Wood River	9-10	55	68
Canyon Creek	1-6	56	86
Boise River	13	47	78
Payette River	13	57	81
Weiser River	2-4	53	91
Mann Creek	3	69	--
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	7	60	107
Goose-Trapper Creeks	2-3	48	97
Salmon Falls Creek	10-11	56	104
Bruneau River	5	62	108
Owyhee River - Idaho & Nevada	5	60	105
Jordan Creek	4	40	75
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake - Wyoming	22	55	80
Camas-Beaver Creeks	2	82	107
Medicine Lodge Creek	2	60	93
Henrys Fork River	9-10	62	87
Teton River	2-3	63	90
Willow-Sand Creeks	8	57	--
Blackfoot River	3	67	108
Portneuf River	3-8	64	109
<u>GREAT BASIN</u>			
Bear River	13	--	89
Montpelier Creek	4-6	48	82
Mink Creek	4-5	69	104
Cub River	2	74	94
Malad River	2-6	70	148



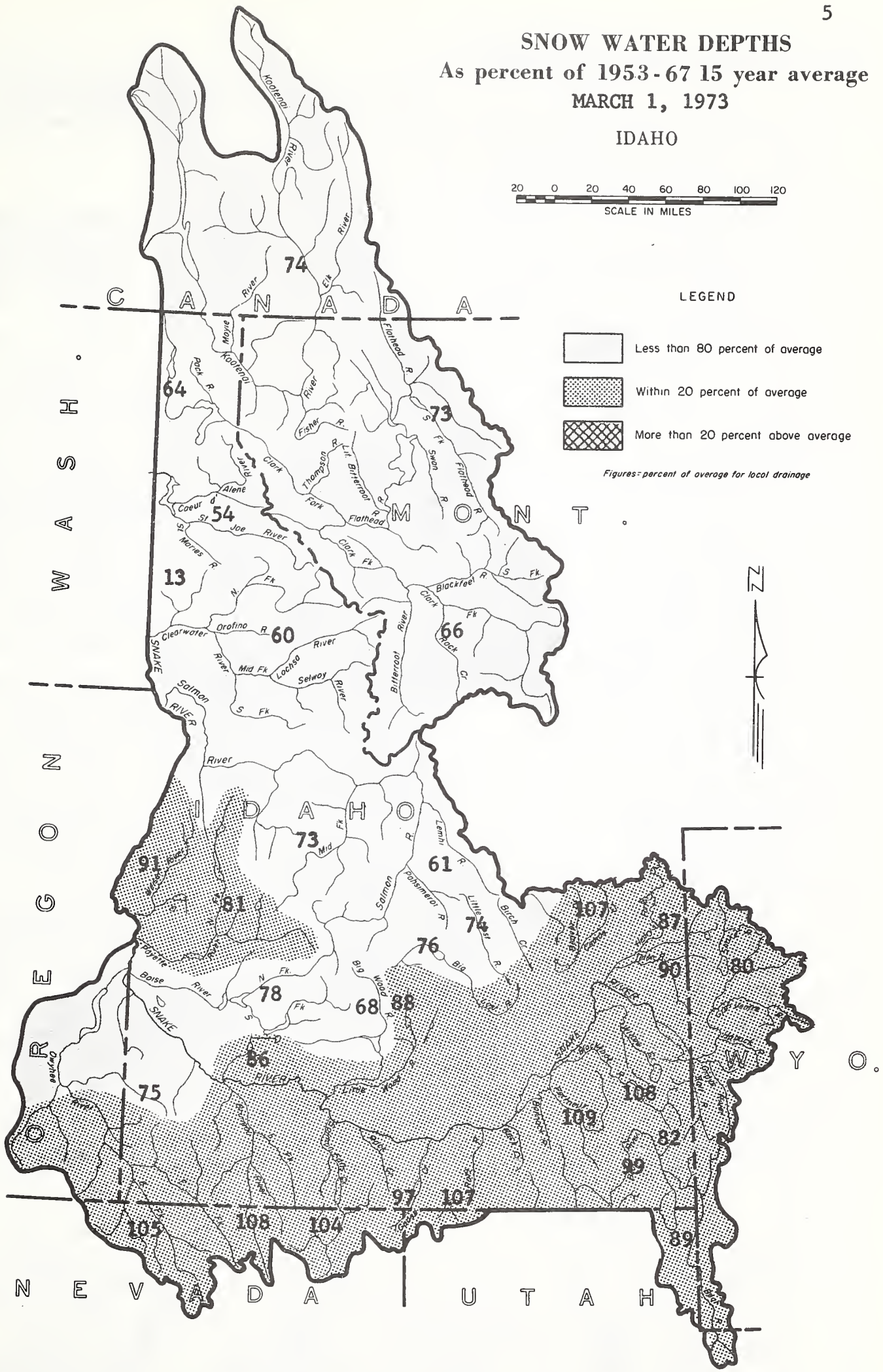
SNOW WATER DEPTHS  
As percent of 1953-67 15 year average  
MARCH 1, 1973  
IDAHO



LEGEND



Figures=percent of average for local drainage



## RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	2062.0	1702.0	2269.0*
Flathead	1791.0	1010.0	911.0	963.0
Pend Oreille	1155.1	393.2	204.0	508.6
Noxon	334.6	320.6	295.0	293.4*
<u>Spokane</u>				
Coeur d'Alene	225.1	53.3	248.0	136.2
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	636.1	630.4	440.8
Palisades	1200.0	932.9	875.3	711.4*
American Falls	1700.0	1090.8	1276.2	1431.6
Island Park	127.0	100.1	104.9	113.2
Grassy Lake	15.2	10.5	14.2	10.8
Brownlee	980.2	475.1	604.6	400.4*
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	47.2	45.0	16.8
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	99.5	89.0	27.4
<u>Big Lost</u>				
Mackay	44.2	37.3	28.0	31.3
<u>Big Wood</u>				
Magic	191.5	124.6	159.6	102.5
<u>Little Wood</u>				
Little Wood	30.0	19.9	20.2	13.1*
<u>Fish Creek</u>				
Carey Valley	14.4	4.1	8.5	--
<u>Boise</u>				
Anderson Ranch	423.2	290.2	225.0	213.9
Arrowrock	286.6	277.9	196.8	252.6
Lucky Peak	278.2	177.7	58.1	106.6*
Lake Lowell (Deer Flat)	169.0	117.6	130.7	127.9
<u>Owyhee</u>				
Owyhee	715.0	600.0	621.2	411.8
<u>Payette</u>				
Cascade	653.2	351.0	291.1	274.2
Deadwood	161.9	93.7	34.9	74.0
<u>Weiser</u>				
Mann Creek	11.1	5.5	4.7	--
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1089.6	1081.3	871.4
*Period of Record.				

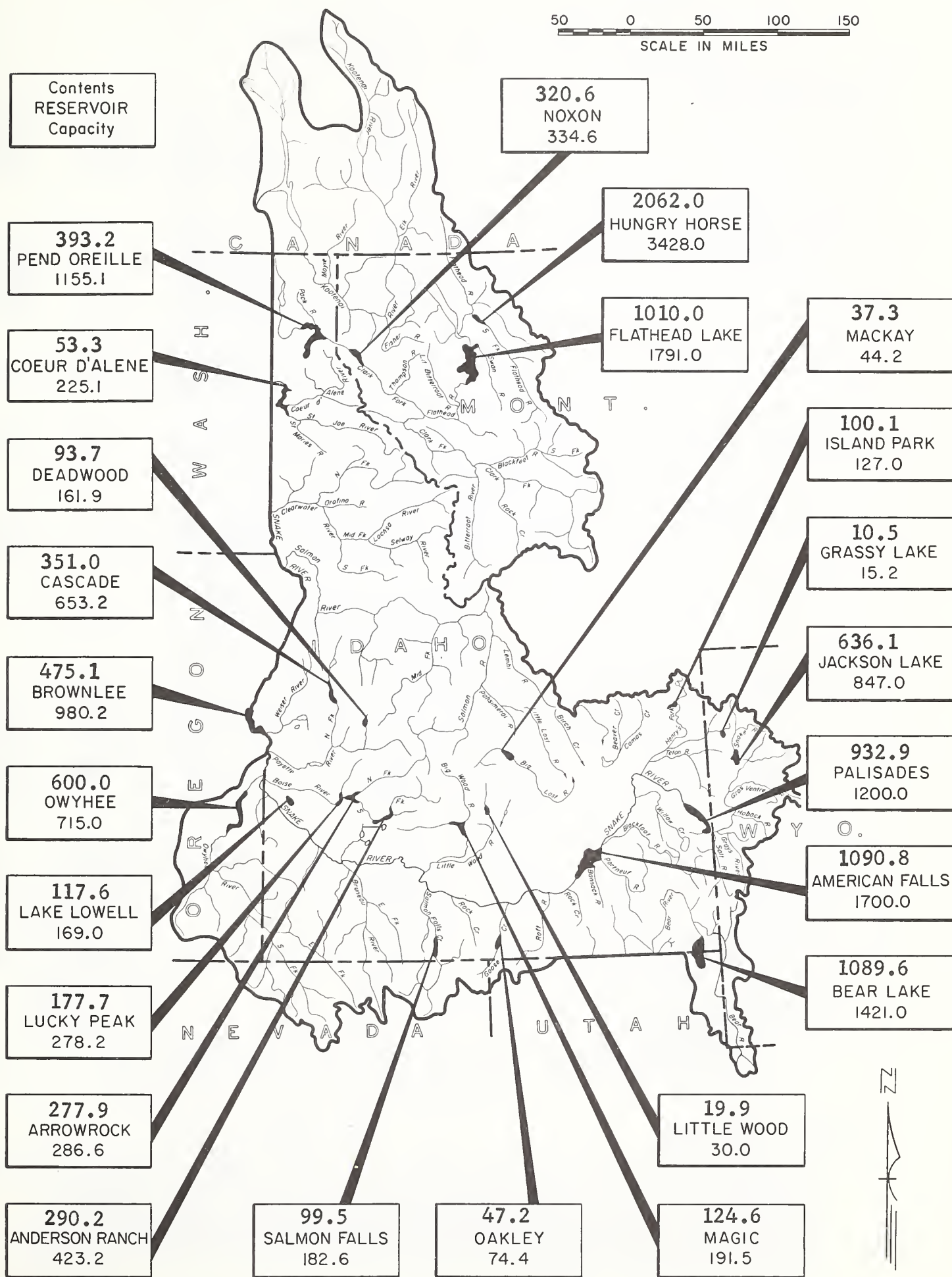


# 7 RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1973

50 0 50 100 150  
SCALE IN MILES



## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †

UPPER COLUMBIA BASINKOOTENAI RIVER

Leonia	(at)	7750	84	Apr-Sep	11041	9198
		6800	84	Apr-Jul	9703	8072
		5500	85	Apr-Jun	7798	6463

PEND OREILLE RIVERClark Fork River

Whitehorse Rapids	(at)	10100	72	Apr-Sep	--	13987
		9200	72	Apr-Jul	--	12787
		7800	71	Apr-Jun	--	10953

Priest River

Priest River <u>1/</u>	(nr)	550	60	Apr-Jul	--	914
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SPOKANE RIVER

Post Falls <u>2/</u>	(at)	1750	56	Apr-Sep	--	3140
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St. Joe River

Calder	(at)	750	55	Apr-Sep	--	1359
		710	55	Apr-Jul	--	1291

SNAKE RIVER BASINSNAKE RIVER - MAIN STEM

Moran <u>3/</u>	(at)	711	84	Apr-Sep	1131	846
Palisades Inflow <u>3/</u>		3100	89	Apr-Sep	5068	3500
Heise <u>4/</u>	(nr)	3250	87	Apr-Sep	5309	3743
Blackfoot <u>5/</u>	(nr)	3400	88	Apr-Jul	6140	3871
Weiser	(at)	4450	70	Apr-Sep	--	6306

Henrys Fork

Ashton <u>6/</u>	(nr)	550	90	Apr-Sep	820	609
Rexburg <u>7/</u>	(nr)	1155	94	Apr-Sep	1809	1229

Teton River

St. Anthony	(nr)	365	93	Apr-Sep	568	394
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Blackfoot River

Blackfoot Reservoir Inflow		100	98	Apr-Sep	--	102*
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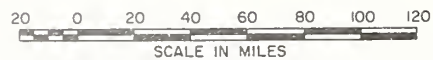
\*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake.  
2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake.  
4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.  
† 1953-1967 period.

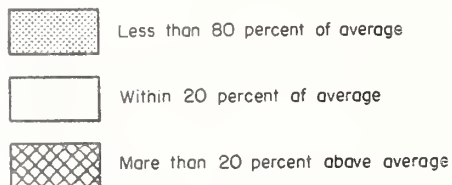
# PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately  
MARCH 1, 1973

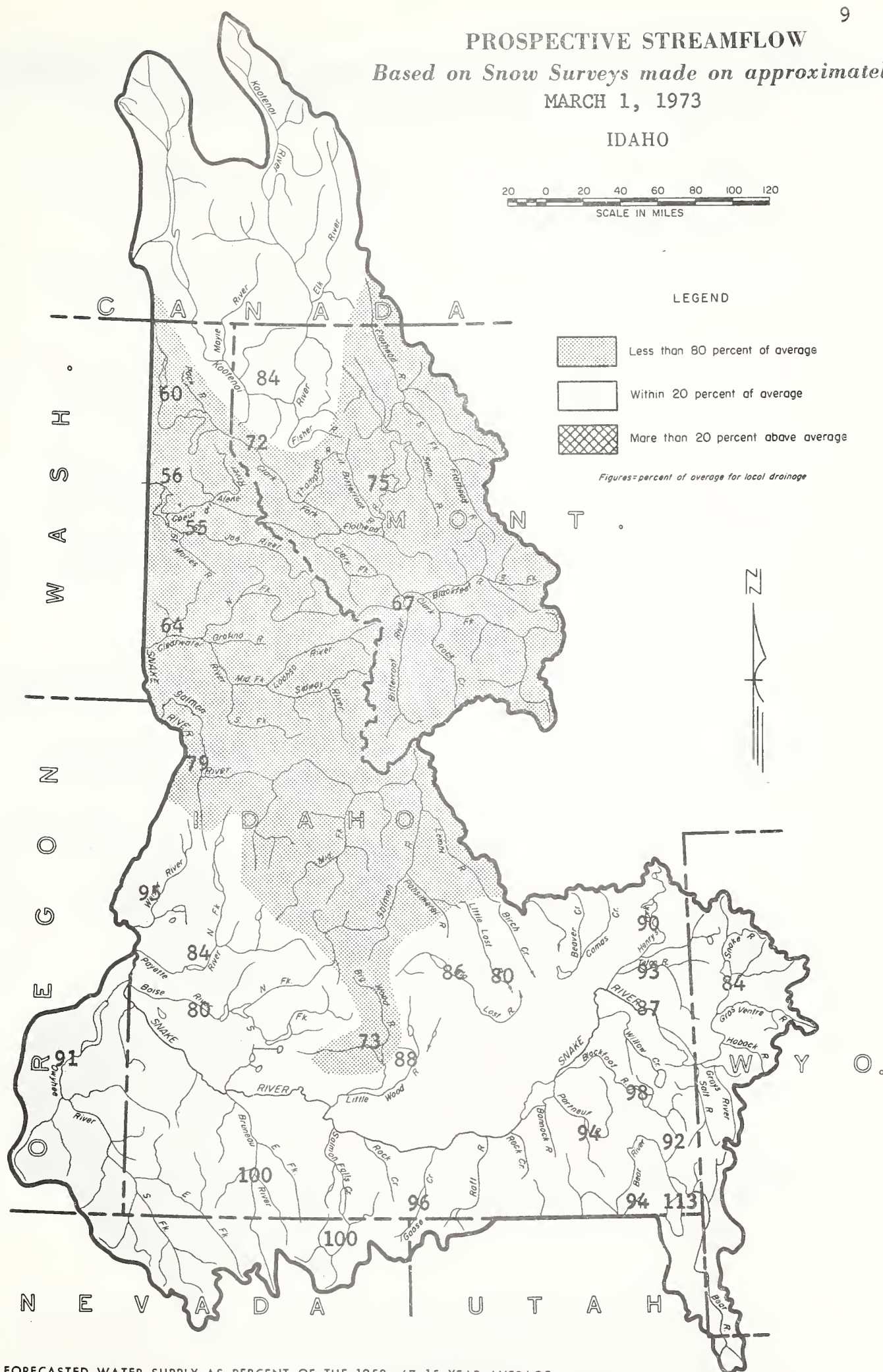
IDAHO



## LEGEND



Figures: percent of average for local drainage



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953-67 15 YEAR AVERAGE



## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR			PAST RECORD	
		FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>Portneuf River</u>						
Topaz	(at)	75	94	Mar-Sep	--	79.4
<u>Oakley Reservoir Inflow</u>		24	96	Mar-Sep	--	24.9
<u>Salmon Falls Creek</u>						
San Jacinto	(nr)	70	100	Mar-Sep	--	69.7
		67	100	Mar-Jul	--	66.5
<u>Bruneau River</u>						
Hot Springs	(nr)	190	100	Mar-Sep	--	191
<u>Little Lost River</u>						
Howe	(nr)	30	80	Mar-Sep	--	37.8
<u>Big Lost River</u>						
Howell Ranch	(at)	165	84	Apr-Sep	--	196
		115	84	Apr-Jun	--	137
Mackay 1/	(nr)	145	86	Apr-Sep	--	168
<u>Big Wood River</u>						
Magic Reservoir						
Inflow 2/		190	73	Apr-Sep	--	262
		200	75	Mar-Jul	--	268
<u>Little Wood River</u>						
High Five Creek	(ab)	70	88	Apr-Sep	--	80
<u>Boise River</u>						
Twin Springs	(nr)	600	84	Apr-Sep	--	718
		560	84	Apr-Jul	--	666
Boise 3/	(nr)	1250	80	Apr-Sep	--	1556
<u>South Fork</u>						
Anderson Dam 4/	(at)	450	78	Apr-Sep	--	577
<u>Owyhee River</u>						
Gold Cr., Nev. 5/	(nr)	19	119	Apr-Jul	23	16.1
Owyhee, Nev. 5/	(nr)	60	100	Apr-Jul	36	60
Lake Owyhee		273	91	Apr-Sep	504	300
net inflow 6/		323	88	Mar-Jul	905	369
<u>Jordan Creek</u>						
Lone Tree Creek	(ab)	67	79	Apr-Jul	--	85
		67	79	Apr-Sep	--	85

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir  
 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrow-  
 rock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for  
 storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow. † 1953-1967 period.



## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR			PAST RECORD	
		FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>Payette River</u>						
Horseshoe Bend <u>1/</u>	(nr)	1550	84	Apr-Sep	--	1839
Banks <u>2/</u>	(nr)	820	83	Apr-Jul	--	984
<u>North Fork</u>						
Cascade <u>3/</u>	(at)	465	84	Apr-Sep	--	553
Banks <u>3/</u>	(nr)	595	83	Apr-Sep	--	718
<u>Weiser River</u>						
Weiser ab. Crane Creek <u>4/</u>		480	95	Mar-Sep	--	504
<u>Salmon River</u>						
Whitebird	(at)	5400	79	Apr-Sep	--	6850
<u>Clearwater River</u>						
Spalding	(at)	5500	64	Apr-Sep	--	8578

GREAT BASIN

<u>BEAR RIVER</u>						
Harer	(at)	255	113	Apr-Sep	--	226
<u>Montpelier Creek</u>						
Montpelier	(nr)	9.8	92	Apr-Sep	19.8	10.7
<u>Cub River</u>						
Preston	(nr)	45	94	Apr-Sep	--	47.8*

\*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1953-1967 period.

VALLEY PRECIPITATION 1/

## Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter		Fall - Winter	
	Feb. 1973		Nov. 72 - Feb. 73	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Kootenai, Canada & U.S.	1.49	-0.80	10.21	-2.00
Flathead	.53	-1.24	5.31	-3.31
Clark Fork	.20	-0.47	2.33	-1.40
Pend Oreille-Spokane	.86	-2.15	11.20	-4.28
Upper Snake	1.55	-0.34	6.78	-1.56
Snake River Plain	.53	-0.18	3.62	+0.08
Salmon-Payette-Boise	.77	-1.06	8.04	-1.33
Clearwater	1.20	-0.92	8.80	-2.31
Owyhee-Malheur	.32	-0.53	4.34	+0.06

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1953-67) drainage division average.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

UPPER COLUMBIA RIVER BASINKOOTENAI RIVER

Bear Mountain	5400	2/28	102	43.7	80.3	--
Halverson Creek	4850	2/28	80	32.4	57.2	--

PEND OREILLE - PRIEST RIVER

Benton Meadow	2344	2/27	10	2.7	4.3	5.8
Benton Spring	4900	2/27	37	12.6	22.0	18.2
#Mosquito Ridge	5110	2/23	67	24.2	43.2	33.8*
#Mosquito Ridge (A)	5110	3/6	80	26.8	--	--
#Mosquito Ridge (SP)	5110	2/28	--	21.0	40.0	--
Schweitzer Bowl	4500	2/27	60	21.2	37.0	--
Schweitzer Ridge	6100	2/27	90	32.0	49.7	--

HAYDEN LAKE

Chilco Ridge	3650	2/27	5	1.2	--	--
Conie Creek Ridge	3900	2/27	2	0.8	--	--
Corner Creek	3150	2/27	8	3.0	--	--
Sage Creek Saddle	4100	2/27	25	7.1	--	--
Ulrich Creek	2800	2/27	T	T	--	--

SPOKANE RIVER

Above Burke	4100	3/1	29	8.6	29.2	--
Above Burke (SP)	4100	3/1	--	8.7	31.2	--
Copper Ridge	4800	2/28	30	11.1	34.2	26.0
#Forty-nine Meadows	5000	2/27	44	14.6	43.4	28.6*
Fourth of July Summit	3100	2/27	6	1.9	13.2	10.5*
Granite Peak	6000	2/26	80	26.3	--	41.8*
Kellogg Peak (A)	5560	3/6	57	18.5	42.5	28.2*
Lookout	5250	3/1	55	17.8	49.3	32.3
#Lost Lake	6000	3/3	92	30.7	--	53.6*
Lower Sands Creek	3400	2/28	24	7.4	21.1	17.8
Medicine Ridge	6150	2/27	79	25.9	--	43.6*
Mosquito Ridge	5110	2/23	67	24.2	43.2	33.8*
Mosquito Ridge (A)	5110	3/6	80	26.8	--	--
Mosquito Ridge (SP)	5110	2/28	--	21.0	40.0	--
Roland Summit (A)	5200	3/6	69	22.4	54.7	34.6*
Sherwin	3200	2/27	18	5.2	24.8	14.1*
Sherwin (SP)	3200	2/27	--	5.3	--	--

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	3340	2/27	T	T	15.4	6.4*
East Twin	4050	2/27	T	T	19.2	12.3*
Howard Creek	3450	2/27	0	0.0	10.1	4.5*
Moscow Mountain	4400	2/27	21	6.6	24.3	15.7*
West Twin	4250	2/27	T	T	17.5	11.1*

CLEARWATER RIVER

Anderson Butte (A)	6800	3/6	76	28.1	--	--
Anderson Ridge (A)	5400	3/6	32	10.6	--	--
Buck Meadows	5600	3/5	60	17.6	45.3	--
Cayuse Airstrip	3700	2/26	15	5.4	23.0	11.2
Coolwater Mountain (R)	6200	3/1	--	18.1	43.6	--
Coolwater Mountain (SP)	6200	2/28	--	13.7	39.0	--
Cottonwood Butte	5140	3/1	26	6.8	22.0	--
Crater Meadows	6100	2/26	76	26.4	65.6	39.8*
Crooked Fork	3600	2/26	23	6.3	24.2	--
Disgrace Butte (A)	6600	3/6	51	18.4	38.8	--
Elk Butte	5550	3/3	57	18.8	60.9	35.8*
Elk Mountain	7500	3/6	83	32.0	45.0	--
Falls Point (A)	4600	3/5	28	9.0	33.6	--
Fish Lake Airstrip	5000	2/26	72	22.8	61.1	36.2
Forest	4550	3/1	0	0.0	12.1	6.0*
Forty-nine Meadows	5000	2/27	44	14.6	43.4	28.6*
Goat Lake	6600	2/26	83	29.2	56.0	45.0*
#Granite Peak	6000	2/26	80	26.3	--	41.8*
Hemlock Butte	5500	2/26	90	31.2	53.8	43.2*
Hemlock Butte (SP)	5500	2/28	--	28.0	76.4	--
#Hoodoo Basin Mont.	6000	2/27	86	31.5	68.6	45.6
#Hoodoo Basin (SP) Mont.	6000	3/1	--	30.1	68.5	--
#Hoodoo Creek Mont.	5900	2/27	80	29.4	68.8	42.5*
Horse Creek #1	5500	3/5	27	9.2	--	--
Horse Creek #3	5100	3/5	30	9.6	36.1	--
Horse Creek Helispot	4100	3/5	25	8.5	26.0	--
Lolo Pass	5250	2/26	52	17.3	46.7	29.0*
Lost Lake	6000	3/3	92	30.7	--	53.6*
Lower Snowhaven	5250	2/25	34	9.4	27.7	--
McCann	4300	3/1	0	0.0	10.9	5.7*
Meadow Creek Lookout (A)	7000	3/6	58	22.0	34.6	--
#Medicine Ridge	6150	2/27	79	25.9	--	43.6*
Mill Site	6700	3/6	53	18.7	40.6	--
Mountain Meadows	6300	3/6	47	14.0	32.7	--
#Nez Perce Pass Mont.	6575	2/26	37	10.8	22.7	13.8*
Orogrande Mountain (R)	7800	3/1	--	18.9	40.3	--
Pierce Ranger Station	3170	2/28	17	4.3	23.4	10.3

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>
Powell Ranger Station	3410	2/26	20	6.0	21.0	13.2*
Savage Pass (Old)	6160	2/26	50	16.6	36.4	24.9*
Savage Pass (New)	6160	2/26	51	16.9	--	--
Shanghai Summit	4600	2/26	37	13.3	46.2	22.7*
Sweeney	4435	3/1	0	0.0	10.4	6.0*
Upper Snowhaven	5600	2/25	35	10.0	27.0	--

SALMON RIVER

Big Creek Summit	6600	2/27	72	23.1	43.2	30.1
#Boulder Creek	5500	2/28	49	16.8	31.2	21.0*
Brundage Mountain	7560	2/28	91	32.5	52.1	--
Chapman Creek	4215	3/1	3	0.8	6.9	2.6*
#Deadwood Summit	7000	2/27	99	33.8	49.1	38.2*
#Deadwood Summit (SP)	7000	2/27	--	36.3	49.7	--
Doublespring Pass (A)	8400	3/6	24	6.0	--	--
#Galena Summit	8795	2/27	49	13.7	27.8	19.3
#Gibbons Pass Mont.	7100	2/27	49	15.8	29.2	19.5
Johns Creek	3805	3/1	1	0.2	0.3	1.6*
Keystone (A)	7700	3/6	15	3.6	--	--
Leatherman Pass (A)	9800	3/6	48	12.9	--	--
#Lemhi Pass Mont.	7480	2/28	21	4.9	10.3	6.9
#Lemhi Ridge Mont.	8100	2/28	25	5.8	14.3	--
Mill Creek Summit	8870	2/28	43	12.6	24.8	19.3*
Moose Creek	6200	2/28	36	10.3	25.6	14.2
Morgan Creek	7580	3/1	32	7.7	16.0	13.4*
Redfish Lake	6600	3/1	19	4.0	13.2	--
#Rock Flat Summit	5200	2/28	40	11.4	20.4	15.3
#Secesh Summit	6600	2/28	76	26.0	39.4	--
#Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
#Squaw Meadow	5800	2/28	78	27.5	43.0	32.1*
Twin Peaks (A)	10300	3/6	40	10.8	--	--
Vienna Mine	8900	2/28	67	21.2	51.3	30.3*
Whitebird Summit	4390	3/1	12	3.5	11.6	5.3*
Williams Creek Summit	7800	2/28	27	6.6	14.1	10.8*

Lemhi River

Above Gilmore	8200	2/26	22	4.4	11.4	8.3*
Aspen-Hall Pass	8110	2/26	29	6.1	10.2	--
Copes Camp	7500	2/27	22	4.9	9.0	6.5*
Hall Creek	7560	2/26	17	3.4	11.0	--
Meadow Lake	9100	2/26	36	9.9	22.3	17.0*
Schwartz Lake	8500	2/27	27	6.7	14.5	10.5*

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	2/27	9.2	10.2	10.3
Lookout	5250	48	11.0	3/1	7.6	6.8	8.4
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	2/23	4.2	4.2	5.5
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	2/26	3.3	3.9	2.8
Meadow Lake	9100	48	4.4	2/26	2.1	2.4	2.4

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average <sup>b</sup>
NAME	Elevation					
Powell Ranger Station	3410	2/26	20	6.0	21.0	13.2*
Savage Pass (Old)	6160	2/26	50	16.6	36.4	24.9*
Savage Pass (New)	6160	2/26	51	16.9	--	--
Shanghai Summit	4600	2/26	37	13.3	46.2	22.7*
Sweeney	4435	3/1	0	0.0	10.4	6.0*
Upper Snowhaven	5600	2/25	35	10.0	27.0	--

SALMON RIVER

Big Creek Summit	6600	2/27	72	23.1	43.2	30.1
#Boulder Creek	5500	2/28	49	16.8	31.2	21.0*
Brundage Mountain	7560	2/28	91	32.5	52.1	--
Chapman Creek	4215	3/1	3	0.8	6.9	2.6*
#Deadwood Summit	7000	2/27	99	33.8	49.1	38.2*
#Deadwood Summit (SP)	7000	2/27	--	36.3	49.7	--
Doublespring Pass (A)	8400	3/6	24	6.0	--	--
#Galena Summit	8795	2/27	49	13.7	27.8	19.3
#Gibbons Pass Mont.	7100	2/27	49	15.8	29.2	19.5
Johns Creek	3805	3/1	1	0.2	0.3	1.6*
Keystone (A)	7700	3/6	15	3.6	--	--
Leatherman Pass (A)	9800	3/6	48	12.9	--	--
#Lemhi Pass Mont.	7480	2/28	21	4.9	10.3	6.9
#Lemhi Ridge Mont.	8100	2/28	25	5.8	14.3	--
Mill Creek Summit	8870	2/28	43	12.6	24.8	19.3*
Moose Creek	6200	2/28	36	10.3	25.6	14.2
Morgan Creek	7580	3/1	32	7.7	16.0	13.4*
Redfish Lake	6600	3/1	19	4.0	13.2	--
#Rock Flat Summit	5200	2/28	40	11.4	20.4	15.3
#Secesh Summit	6600	2/28	76	26.0	39.4	--
#Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
#Squaw Meadow	5800	2/28	78	27.5	43.0	32.1*
Twin Peaks (A)	10300	3/6	40	10.8	--	--
Vienna Mine	8900	2/28	67	21.2	51.3	30.3*
Whitebird Summit	4390	3/1	12	3.5	11.6	5.3*
Williams Creek Summit	7800	2/28	27	6.6	14.1	10.8*

Lemhi River

Above Gilmore	8200	2/26	22	4.4	11.4	8.3*
Aspen-Hall Pass	8110	2/26	29	6.1	10.2	--
Copes Camp	7500	2/27	22	4.9	9.0	6.5*
Hall Creek	7560	2/26	17	3.4	11.0	--
Meadow Lake	9100	2/26	36	9.9	22.3	17.0*
Schwartz Lake	8500	2/27	27	6.7	14.5	10.5*

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	2/27	9.2	10.2	10.3
Lookout	5250	48	11.0	3/1	7.6	6.8	8.4
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	2/23	4.2	4.2	5.5
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	2/26	3.3	3.9	2.8
Meadow Lake	9100	48	4.4	2/26	2.1	2.4	2.4



## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Station	6750	2/27	18	3.0	5.6	4.1*
Lost Garfield	6600	2/27	17	2.9	6.0	3.4*
Moonshine	7450	2/27	29	6.2	12.7	9.4*
Sawmill Canyon	6900	2/27	24	5.4	8.8	7.1*
Swauger Lake (A)	9050	3/6	12	2.0	--	--
Wet Creek Summit	7600	2/28	28	7.1	14.9	9.3*

BIG LOST RIVER

Bear Canyon	7920	3/6	43	11.4	16.3	15.2
Cherry Creek Pass (A)	8900	3/4	7	1.3	4.1	--
Copper Basin	7650	3/6	21	4.6	9.0	8.0
#Doublespring Pass (A)	8400	3/6	24	6.0	--	--
Dry Fork (A)	7340	3/4	50	13.2	16.4	--
Fishpole Lake (A)	9350	3/4	45	12.1	16.2	--
Grasshopper (A)	8400	3/4	32	8.1	15.0	--
Iron Bog	7650	3/1	38	9.6	14.2	11.0*
Leadbelt	6800	3/1	28	5.2	8.6	8.0*
#Leatherman Pass (A)	9800	3/6	48	12.9	--	--
Mammoth Canyon (A)	8300	3/4	19	3.5	5.0	--
Sage Creek (A)	7800	3/6	16	2.7	--	--
Stickney Mill	7500	3/6	25	5.0	10.0	7.8
White Knob	7700	2/26	31	7.8	13.1	7.0*

FISH CREEK

#Dry Fork (A)	7340	3/4	50	13.2	16.4	--
Iron Mine Creek	6370	3/2	35	9.2	9.0	8.8*
Telfer Ranch	6000	3/2	25	7.2	7.7	6.9

LITTLE WOOD RIVER

#Bear Canyon	7920	3/6	43	11.4	16.3	15.2
Garfield Ranger Station	6554	3/1	33	8.8	8.8	9.0
Muldoon	6300	3/1	26	7.2	6.7	7.2
Porcupine (A)	8350	3/2	43	11.7	19.7	--
Swede Peak	7650	3/1	47	12.8	14.1	14.4*

BIG WOOD RIVER

Camas Creeks Divide	5720	2/27	34	9.9	13.7	--
#Couch Summit	6950	2/26	48	12.8	18.5	15.2*
Dollarhide Summit	8620	3/5	53	16.9	34.4	21.8*
Galena	7300	2/27	42	11.6	23.0	16.6
Galena Summit	8795	2/27	49	13.7	27.8	19.3

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>
Graham Ranch	6200	2/27	36	9.6	13.2	11.5
Mascot Mine	7900	2/28	33	8.9	13.1	11.8
Mount Baldy	9000	3/1	49	13.2	20.6	17.0
#Porcupine (A)	8350	3/2	43	11.7	19.7	--
Soldier Ranger Station	6100	2/26	34	9.6	14.2	10.0
#Vienna Mine	8900	2/28	67	21.2	51.3	30.3*

## CANYON CREEK

Bennett Mountain	6650	2/27	41	12.8	26.1	14.9*
#Camas Creeks Divide (A)	5720	2/27	34	9.9	13.7	--
#Danskin (A)	5650	2/27	33	9.6	20.7	--
Dixie Hill	5230	2/28	8	3.2	6.2	--
Little Camas Flat (A)	4950	2/27	24	7.7	8.6	--
Long Tom (A)	4550	2/27	0	0.0	2.1	--

## BOISE RIVER

Atlanta Summit	7500	2/28	69	21.6	46.7	28.6*
Bad Bear	5500	2/28	26	8.8	23.2	11.8*
#Bennett Mountain	6650	2/27	41	12.8	26.1	14.9*
#Bogus Basin	6120	3/2	48	15.2	34.2	18.7
Bogus Basin Road	5360	3/2	T	T	12.1	5.2*
#Camas Creeks Divide (A)	5720	2/27	34	9.9	13.7	--
Couch Summit	6950	2/26	48	12.8	18.5	15.2*
Danskin (A)	5650	2/27	33	9.6	20.7	--
Deadman Gulch	5600	2/26	29	9.0	23.2	13.2*
#Dixie Hill	5230	2/28	8	3.2	6.2	--
#Dollarhide Summit	8620	3/5	53	16.9	34.4	21.8*
Jackson Peak	7000	2/28	68	23.2	40.5	26.5*
#Little Camas Flat (A)	4950	2/27	24	7.7	8.6	--
#Long Tom (A)	4550	2/27	0	0.0	2.1	--
Moore's Creek Summit	6100	2/28	65	23.0	42.7	27.0
Prairie	4900	2/26	10	3.1	12.5	4.7
Road Creek (A)	5550	2/27	16	5.1	19.3	9.0*
#Soldier Ranger Station	6100	2/26	34	9.6	14.2	10.0
Trinity Mountain	7780	2/28	82	26.9	55.0	36.4*
Trinity Mountain (R)	7780	2/28	--	28.0	--	--
#Vienna Mine	8900	2/28	67	21.2	51.3	30.3*

## PAYETTE RIVER

#Big Creek Summit	6600	2/27	72	23.1	43.2	30.1
Bogus Basin	6120	3/2	48	15.2	34.2	18.7
#Brundage Mountain	7560	2/28	91	32.5	52.1	--
Cozy Cove	5900	2/27	36	11.0	19.3	14.1
Crawford Ranger Station	4800	2/27	12	4.3	11.7	6.9*
#Deadman Gulch	5600	2/26	29	9.0	23.2	13.2*
Deadwood Airstrip	5440	2/27	34	10.9	19.6	13.7*

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>
Deadwood Dam	5290	2/27	37	11.2	19.8	14.8
Deadwood Summit	7000	2/27	99	33.8	49.1	38.2*
Deadwood Summit (SP)	7000	2/27	--	36.3	49.7	--
Greenfield Flat (A)	7370	2/27	86	27.6	51.0	--
High Valley Summit	5170	3/2	29	9.0	14.8	8.7*
#Jackson Peak	7000	2/28	68	23.2	40.5	26.5*
Lake Fork	6000	3/1	34	10.4	18.4	13.8*
#Mica Ridge (A)	6800	2/27	80	25.7	42.1	--
Rock Flat Summit	5200	2/28	40	11.4	20.4	15.3
Secesh Summit	6600	2/28	76	26.0	39.4	--
Silver Creek Ridge (A)	5700	2/27	42	12.6	25.8	--
#Squaw Flat (A)	6230	2/27	29	8.9	30.8	--
Squaw Meadow	5800	2/28	78	27.5	43.0	32.1*
Tripod Summit	5200	3/1	42	12.6	20.8	15.6*

WEISER RIVER

Boulder Creek	5500	2/28	49	16.8	31.2	21.0*
Mica Ridge (A)	6800	2/27	80	25.7	42.1	--
Placer Creek	6000	3/1	52	15.2	22.0	14.1*
Squaw Flat (A)	6230	2/27	29	8.9	30.8	--

MANN CREEK

Mann Creek	5980	2/27	59	19.8	28.1	--
Sturgill Ridge	6680	2/27	67	24.9	35.1	--
Thorson Cabin	5320	2/27	33	9.8	15.8	--

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>LITTLE LOST RIVER</u>							
Fairview Guard Station	5850	42	7.6	2/28	7.2	8.2	7.8
Wet Creek Summit	8175	48	17.1	2/28	12.9	13.6	13.1
<u>BIG WOOD RIVER</u>							
Galena	7300	43	10.1	2/27	5.6	6.0	7.3
Galena Summit	8795	43	5.8	2/27	Frozen	2.1	Frozen
<u>BOISE RIVER</u>							
Bogus Basin	6120	48	13.1	3/2	11.3	--	--
Bogus Basin Road	4830	48	7.1	3/2	5.7	--	5.6

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

Boy Scout Camp		7600	2/26	40	13.5	21.0	12.8*
Clear Creek Mdws.	Utah	9050	2/26	63	20.7	24.9	17.5*
George Peak	Utah	9000	2/26	70	25.3	--	--
George Peak (SP)	Utah	9000	2/25	--	21.3	25.3	--
Howell Canyon		8000	2/26	53	18.5	42.4	20.5
One Mile Summit	Utah	7330	2/26	25	7.5	8.4	6.5*
Sheep Hollow		6200	2/26	25	7.1	8.4	4.8*
Sublett		6000	2/26	31	8.1	18.0	9.0
Summit Springs		6400	2/26	32	9.8	19.3	8.2*

GOOSE CREEK

Badger Gulch		6660	2/26	28	8.4	20.4	9.3
Bostetter Rgr. Sta.		7500	2/26	47	15.9	34.8	15.8
Vi Pont (A)		7670	2/26	43	13.0	23.0	--

SALMON FALLS CREEK

#Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Cedar Creek		7000	2/24	28	7.4	17.0	8.9*
Deadline		6900	2/24	54	18.9	40.6	18.1*
#Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*
Goat Creek	Nev.	8800	3/2	48	15.2	21.8	14.9*
#Hummingbird Springs	Nev.	8945	3/2	56	18.0	30.2	17.5*
Magic Mountain		6700	2/24	46	14.9	32.7	14.5
#Pole Creek Rgr. Sta.	Nev.	8330	3/2	52	16.6	25.8	15.3*
Red Point	Nev.	7940	3/2	29	7.3	13.3	9.5*
Shoshone Basin		5740	2/24	21	5.6	14.0	3.2*
Wilson Creek		7500	3/2	39	11.8	20.2	--

BRUNEAU RIVER

Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*
Hummingbird Springs	Nev.	8945	3/2	56	18.0	30.2	17.5*
Pole Creek Rgr. Sta.	Nev.	8330	3/2	52	16.6	25.8	15.3*
#Seventy-six Creek	Nev.	7100	3/2	34	10.4	20.0	9.1*

OWYHEE RIVER

Antelope Ridge		5900	2/28	17	4.4	14.3	4.2*
Battle Creek (A)		5700	2/23	13	3.6	4.2	--
#Bear Creek	Nev.	7800	3/2	52	16.8	25.0	15.3*
Bull Basin (A)		5600	2/23	4	1.1	0.0	--
#Fox Creek	Nev.	6800	3/2	31	8.8	12.7	7.9*

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>
Hyde Pasture (A)	5800	2/23	14	3.9	8.0	--
Mud Flat	5500	2/28	18	4.8	9.3	4.7*
Red Canyon (A)	6650	2/23	21	5.9	12.6	--
#Seventy-six Creek Nev.	7100	3/2	34	10.4	20.0	9.1*
Silver City	6400	3/1	31	3.6	25.6	12.5
South Mountain	6340	2/26	26	7.4	19.1	9.5
South Mountain (SP)	6340	2/26	--	7.1	--	--
Succor Creek (A)	6100	2/23	12	3.4	13.6	--
Triangle (A)	5150	2/23	0	0.0	0.0	--
Vaught Ranch (A)	5950	2/23	20	5.4	6.3	--
War Eagle (A)	7700	2/23	65	18.2	24.1	--

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>RAFT RIVER</u>							
Howell Canyon	8000	48	11.5	2/26	8.6	7.6	9.6
Sheep Hollow	6200	36	7.5	2/26	6.6	6.5	7.0
Sublett	6000	36	7.0	2/26	4.2	6.1	6.0
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	2/26	6.7	6.5	7.0
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	2/24	7.0	--	7.2
Patrick Ranch	5720	36	7.7	2/24	5.7	7.0	6.6
Pole Creek R. S.	8330	48	9.7	3/2	7.7	8.0	9.1
<u>BRUNEAU RIVER</u>							
Bear Creek	7800	72	16.9	3/2	10.4	11.0	15.4
<u>OWYHEE RIVER</u>							
Mud Flat	5500	48	12.8	2/28	11.0	14.0	14.0

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	6800	2/27	30	7.7	9.9	7.8
Kilgore	6200	2/27	36	9.5	11.2	8.3

MEDICINE LODGE CREEK

Irving Creek	7035	2/26	21	4.0	6.4	4.5*
Webber Creek	6700	2/26	22	4.1	7.2	4.2*

HENRYS FORK RIVER

Big Springs	6500	2/28	49	14.7	25.6	17.9
Big Springs (New)	6500	2/28	50	14.4	--	--
Black Canyon	7850	2/26	76	26.0	38.4	28.5*
Black Canyon (New)	7850	2/26	78	26.6	--	--
Black Moose	8125	2/26	80	30.4	53.2	34.0*
Grassy Lake Wyo.	7230	2/28	76	25.9	43.3	29.1
Island Park	6315	2/28	44	12.0	17.6	13.9
Island Park (New)	6315	2/28	41	12.0	--	--
Latham Springs	7650	2/26	75	26.8	34.8	27.8*
Latham Springs (New)	7650	2/26	75	27.2	--	--
Lucky Dog	6900	2/26	58	19.6	27.8	21.1*
Lucky Dog (New)	6900	2/26	51	16.6	--	--
Sawtelle Mountain	8715	2/28	69	22.9	35.8	--
Targhee Pass	7000	2/28	33	8.0	16.5	12.0*
Valley View	6500	2/28	32	8.0	19.1	13.3
White Elephant	7700	2/28	54	17.2	--	--

TETON RIVER

Darby Canyon	Wyo.	8250	2/26	54	17.0	--	--
Freds Mountain	Wyo.	8000	2/26	60	19.6	29.4	--
Garns Mountain		8300	2/26	83	28.9	--	--
Indian Meadows	Wyo.	8200	2/26	79	27.5	--	--
Jackpine Creek	Wyo.	7500	2/26	53	18.2	--	--
McRenold Reservoir		6800	2/26	49	15.6	--	--
Miles Creek	Wyo.	7500	2/26	40	11.8	--	--
Phillips Bench	Wyo.	8200	3/3	64	20.6	--	--
Pine Creek Pass		6750	2/26	43	13.4	20.9	14.6*
State Line		6400	2/26	37	10.8	19.1	12.2
Teton Pass W. S.	Wyo.	8500	3/2	64	20.1	--	--

WILLOW CREEK

Aspen Grove		6600	2/26	36	11.0	16.2	--
Birch Creek		6800	2/26	30	9.2	25.5	--
Bone		6200	2/26	28	8.0	11.1	--

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>
Ozone	5800	2/27	8	2.6	0.0	--
Sheep Mountain	6510	2/26	42	12.5	13.5	--
Tex Creek	6700	2/26	31	8.2	13.2	--

SAND CREEK

Henry Creek	5650	2/27	16	5.2	3.4	--
Taylor Mountain	6500	2/26	31	9.1	27.5	--

BLACKFOOT RIVER

Austin Bros. Ranch	6450	3/1	31	8.0	12.2	6.8*
Slug Creek Divide	7225	2/24	41	13.4	19.0	13.1*
Somsen Ranch	7000	3/1	41	10.8	17.1	9.9*

PORTNEUF RIVER

Cove	5525	2/27	25	6.8	9.0	--
Dempsey Creek	6280	2/26	39	10.6	17.1	9.1*
Lower Pebble	5800	2/27	40	10.9	22.3	--
Mink Creek	6300	2/26	48	13.6	21.5	12.7
Moser	5950	2/27	30	8.2	11.5	--
North Bancroft #1	5460	2/27	22	6.0	6.2	--
North Bancroft #2	5430	2/27	14	3.9	3.0	--
Pebble Creek	6550	2/27	44	12.8	23.3	12.1

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	2/28	8.4	8.3	8.3
Valley View	6500	48	13.3	2/28	Frozen	7.7	Frozen
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	2/26	10.2	11.7	12.2
State Line	6400	48	14.8	2/26	13.4	14.2	13.9
<u>PORTNEUF RIVER</u>							
Lower Pebble	5800	36	7.6	2/27	7.6	7.6	6.4
Pebble Creek	6550	48	7.2	2/27	5.9	5.6	6.2

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>

## GREAT BASIN

## BEAR RIVER

Emigrant Summit	7350	2/26	60	17.8	28.8	19.2*
Emigration Canyon	6500	2/26	34	8.6	14.8	8.6*

## Montpelier Creek

Giveout	6840	2/26	39	8.2	18.9	10.1*
Little Beaver	6970	2/26	46	11.8	21.8	13.4*
Lower Home Canyon	7500	2/23	36	9.8	18.3	--
Montpelier Creek	6570	2/26	27	5.5	12.7	6.8*
Upper Home Canyon	8500	2/23	53	13.8	29.0	--
Whiskey Flat	6985	2/26	30	6.1	14.9	8.1*

## Mink Creek

Christensen Ranch	5600	2/28	33	8.4	7.6	7.3*
Dry Basin (A)	7900	3/6	61	19.3	29.8	--
#Emigrant Summit	7350	2/26	60	17.8	28.8	19.2*
Horseshoe Basin (A)	8000	3/6	59	18.7	23.2	--
Liberty Spring	8600	2/28	76	25.6	43.4	--
Strawberry Creek	5800	2/28	36	10.9	11.9	9.3*
Strawberry Mink Divide	6800	2/28	56	18.0	25.9	17.2*

## Cub River

Cub River Ranger Station	5400	2/28	29	7.3	8.5	7.5*
Willow Flat	6100	2/27	41	11.6	16.9	12.7*

## MALAD RIVER

Cliff Canyon	7200	2/28	28	7.2	15.0	--
Daniels Creek	6400	2/28	25	6.5	10.0	--
Dry Creek Flat	6350	2/27	34	11.4	10.1	6.2*
Lower Elkhorn	6850	2/27	38	12.0	18.5	--
Oxford Mountain	6800	2/27	33	9.6	12.9	8.0*
Upper Elkhorn	7100	2/27	53	16.2	23.1	--

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	2/26	5.4	7.1	6.7
Strawberry Creek	5800	48	12.7	2/29	7.7	11.8	11.7

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

# Agencies and Organizations Cooperating in Idaho Snow Surveys

## GOVERNMENT AGENCIES

### Canada:

Department of Lands, Forests, and  
Water Resources, British Columbia  
Department of Resources and Development,  
Water Resources Division

### States:

Idaho State Department of Water Administration  
State of Idaho Department of Fish and Game  
University of Idaho  
Idaho State University  
Montana Agricultural Experiment Station  
Montana State Water Conservation Board  
Nevada Cooperative Snow Surveys  
Oregon Agricultural Experiment Station  
Oregon Cooperative Snow Surveys  
Oregon State Engineer and Corps of  
State Watermasters  
Utah Cooperative Snow Surveys  
Wyoming Cooperative Snow Surveys

### Federal:

U. S. Army Engineers  
  
U. S. Department of Agriculture  
Forest Service  
Agriculture Research Service  
  
U. S. Department of Commerce  
NOAA, National Weather Service  
  
U. S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Fish and Wildlife Service  
Water Resources Division, Geological Survey  
Indian Service  
National Park Service  
Bureau of Land Management

## PUBLIC UTILITIES

The Montana Power Company  
Washington Water Power Company  
Idaho Power Company  
Utah Power and Light Company

## ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District  
Boise Project Board of Control  
Little Wood River Irrigation District  
Jordan Valley Irrigation District  
Salmon Falls Creek Irrigation Company  
Twin Falls Soil Conservation District  
Twin Lakes Irrigation Company  
Big Wood Irrigation Company  
Owyhee Project - North & South Board of Control

## PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for  
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